

Remarks

I. Summary of the Office Action

Claims 1-113 are pending in this case.

The drawings are objected to for failing to comply with 37 C.F.R. § 1.84(p)(5) for including reference numbers not mentioned in the specification.

Claims 1, 2, 5-7, 9, 10, 12-16, 18, 21, 26-29, 36-42, 67-72, 74-79, 82-84, 86, 87, 91-93, 95, 99, 100, 106-109, and 111 are rejected under 35 U.S.C. § 102(b) as being anticipated by Young et al. U.S. Patent 5,353,121 (hereinafter "Young").

Claims 3, 4, 8, 11, 13, 17, 19, 20, 22-25, 30-35, 43-66, 73, 80, 81, 85, 88-90, 94, 96-98, 101-103, 105, 110, 112, and 113 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Young in view of Shah-Nazaroff et al. U.S. Patent 6,317,881 (hereinafter Shah-Nazaroff).

II. Summary of Applicants' Reply

Applicants have proposed amendments to the drawings and the specification. Formal drawings are submitted herewith in anticipation of the approval of the proposed amendments.

Applicants have amended claims 1, 43, 67, 78, and 104 to more particularly defined the claimed inventions. The amendments to the claims are fully supported and do not introduce any new matter.

Applicants respectfully traverse each rejection.

III. Objection to the Drawings
 and Submission of Formal Drawings

The drawings are objected to for failing to comply with 37 C.F.R. § 1.84(p)(5) for including reference numbers not mentioned in the specification. The missing reference numbers include 114, 310, 312, 401, 402, 404, and 554. A proposed drawing correction, corrected drawings, or amendment to the specification to add the reference numbers is required.

A. Amendment to the Drawings and the Specification

Applicants have proposed an amendment to FIGS. 8A and 14 and the specification to correct minor mistakes pertaining to missing reference numbers 114, 310, 312, 401, 402, 404, and 554. No new matter would be added by the proposed amendments to the drawing or specification.

Accordingly, applicants respectfully request approval of the amendments to the drawings and the specification.

B. Submission of Formal Drawings

In anticipation of the approval of the aforementioned drawing amendment, applicants herewith furnish sixteen (16) sheets of formal drawings, incorporating the aforementioned amendment, to be substituted for the sixteen (16) sheets of informal drawings filed with the application.

IV. The § 102 Rejections

Claims 1, 2, 5-7, 9, 10, 12-16, 18, 21, 26-29, 36-42, 67-72, 74-79, 82-84, 86, 87, 91-93, 95, 99, 100, 106-109, and 111 are rejected under 35 U.S.C. § 102(b) as being anticipated by Young. Applicants respectfully traverse this rejection.

A. Independent Claims 1 and 78

Applicants' amended independent claims 1 and 78 refer to an interactive television program guide system and method in which an interactive television program guide is at least partially implemented on user equipment. Applicants' system and method, as defined by independent claims 1 and 78, are not anticipated nor rendered obvious by Young because applicants' claimed invention provides an option for a user to select a programming theme from a list of programming themes and a level of interest in that programming theme and the claimed invention modifies the list of programming themes based on the selected theme and its selected level of interest. For example, applicants' system enables a user to designate which themes are preferred or not preferred and displays those themes based on the user's designated interest in those themes. Applicants' FIG. 4 illustrates a selection of a theme and a level of interest in that theme. In FIG. 4, step 46 shows the option of selecting a theme (such as a theme from a list of themes 101 in FIG. 3), step 48 shows designating that theme as

a "favorite", and steps 50 and 52 show modifying the list of themes based on the designation of that theme.

In Young, in contrast, "[a] theme function is provided to allow the user to quickly sort a downloaded schedule [(e.g., a program listings schedule)] and display a subset schedule based on a subject of interest" (column 14, lines 48-50). "The user has the freedom to select listings sorted first by major themes, second by topic(s) within a theme, and/or by topic qualifiers" (Young, column 15, lines 50-52). This theme function is for further refining a schedule of listings, such as program listings, based on user selected criteria, not for modifying a list of programming themes based on indicated level of interest. Thus, a difference between applicants' claimed invention and Young is the selection of a level for selected programming themes. In particular, the selection of a level of interest for a selected programming theme provides a basis for modifying the themes in the list of programming themes, as specified in claims 1 and 78, not for further defining a subset of a schedule to be displayed, as disclosed in Young.

In fact, each theme 106 includes a group of search attributes or qualifiers 112. These qualifiers 112 function as additional criteria for determining which television program listings are displayed, not a means for selecting a level of

interest in a particular theme nor for modifying the list of programming themes based the selected interest. For example, the qualifier field of FIG. 14 includes four star ****, three star ***, two star **, and one star * rated TV programs, and when a user selects both the **** and *** boxes, only programs that have at least the three star rating will be listed (Young, column 15, lines 40-45).

Accordingly, because Young does not show providing an option for a user to select a programming theme from a list of programming themes and a level of interest in that programming theme and modifying the list of programming themes based on the selected theme and their selected level of interest, as set forth in applicants' claims 1 and 78, claims 1 and 78 are not anticipated by Young and the rejection should be withdrawn. In addition, dependent claims 2, 5-7, 9, 10, 12-16, 18, 21, 79, 82-84, 86, 87, 89, 91-93, 95, 99, and 100 are allowable for at least the reason they depend from independent claims 1 or 78. Accordingly, the Examiner's rejection with respect to these claims are moot, and the rejection of these claims should be withdrawn.

B. Independent Claim 36

Applicants' independent claim 36 refers to an interactive television program guide system in which an interactive television program guide is implemented on user

equipment. Applicants' system, as defined by independent claim 36, is not anticipated nor rendered obvious by Young because applicants' system provides an option for a user to select a plurality of favorite programming themes from a list of programming themes and displays the list of programming themes in which the selected programming themes are distinctively displayed. In applicants' claimed invention, a favorite programming theme is displayed distinctly (e.g., in a specific color) to set it apart from non-favorite or other programming themes. For example, as described in applicants' specification, "themes designated as favorites would be displayed in the selected color, and themes that the user has not selected will continue to be represented in a neutral color, such as white or black" (page 27, lines 14-17).

In Young, in contrast, and as discussed above in Section III.A, a theme function is provided to allow the user to quickly sort a schedule (e.g., a program listings schedule) and display a subset schedule based on a subject of interest. A user can select themes, topics within a theme and qualifiers to define the subject of interest (e.g., the particular television programming listings to be displayed). The ability to select themes, topics, and/or qualifiers has nothing to do with selecting which programming themes are favorites. Nor does the display of a

schedule based on the selected themes, topics, and/or qualifiers have anything to do with distinctly displaying programming themes.

Accordingly, because Young does not show providing an option for a user to select a plurality of favorite programming themes from the list of programming themes and displaying the list of programming themes in which the selected programming themes are distinctively displayed, as set forth in applicants' claim 36, claim 36 is not anticipated by Young and the rejection should be withdrawn. In addition, dependent claims 37-42 are allowable for at least the reason they depend from independent claim 36, which is allowable. Accordingly, the Examiner's rejection with respect to these claims are moot, and the rejection of these claims should be withdrawn.

C. Independent Claims 67 and 104

Applicants' amended independent claims 67 and 104 are directed to an interactive television program guide system and method in which an interactive television program guide is at least partially implemented. Claims 67 and 104 are not anticipated by nor rendered obvious by Young because applicants' system and method displays a first list of programming themes, providing an option for the user to select a programming theme from the first list of programming themes and a level of interest in that selected programming theme, and displaying a second list

of programming themes based on the selected programming theme and level of interest.

In Young, in contrast, and as discussed above in Section III.A, a theme function is provided to allow the user to quickly sort a schedule (e.g., a program listings schedule) and display a subset schedule based on a subject of interest. However, this theme function is for further refining a schedule of listings, such as program listings, based on user selected criteria. Thus, a difference between applicants' claimed invention and Young is the selection of a level for selected programming themes. In particular, the selection of a level of interest for a selected programming theme provides a basis for "arranging" the themes in a second list of programming themes, as specified in claims 67 and 104 not for further defining a subset of a schedule to be displayed.

Accordingly, because Young does not show displaying a first list of programming themes, providing an option for the user to select a programming theme from the first list of programming themes and a level of interest in that selected programming theme, and displaying a second list of programming themes based on the selected programming theme and level of interest, as set forth in applicants' claims 67 and 104, claims 67 and 104 are not anticipated by Young and the rejection should be withdrawn. In

addition, dependent claims 68-72, 74-77, 106-109, and 111 are allowable for at least the reason they depend from independent claims 67 or 104. Accordingly, the Examiner's rejection with respect to these claims are moot, and the rejection of these claims should be withdrawn.

V. The § 103 Rejections

Claims 3, 4, 8, 11, 13, 17, 19, 20, 22-25, 30-35, 43-66, 73, 80, 81, 85, 88-90, 94, 96-98, 101-103, 105, 110, 112, and 113 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Young in view of Shah-Nazaroff. Applicants respectfully traverse this rejection.

A. Claims 3, 4, 8, 11, 13, 17, 19, 20, 22, 73, 80, 81, 85, 88-90, 94, 96-98, 101-103, 105, 110, 112, and 113

Claims 3, 4, 8, 11, 13, 17, 19, 20, 22, 73, 80, 81, 85, 88-90, 94, 96-98, 101-103, 105, 110, 112, and 113 are allowable for at least the reason they depend from one of independent claims 1, 36, 67, 78, and 104.

B. Ineligible Use of a Reference as Prior Art

According to MPEP § 702.02:

If the application properly claims benefit under 35 U.S.C. § 119(e) to a provisional application, the effective filing date is the filing date of the provisional application for any claims which are fully supported under the first paragraph of 35 U.S.C. 112 by the provisional application.

Applicants' application was filed March 3, 1999, but claims the benefit of U.S. provisional application No. 60/089,730, filed June 18, 1998 (hereinafter "the provisional application"). The provisional application is attached to Appendix B. Thus, applicants' effective filing date is June 18, 1999. Shah-Nazaroff's effective filing date is November 4, 1998. Applicants' effective filing date is before the effective filing date of Shah-Nazaroff, therefore Shah-Nazaroff is not prior art to at least one of applicants' claims 1-113.

With respect to independent claim 23, support for this claim can be found at lines 17-21 of the provisional application. Accordingly, for at least the reason that independent claim 23 is fully supported by the provisional application, the rejection of claim 23 and its dependent claims 24-29 should be withdrawn.

With respect to independent claim 30, support for this claim can be found at lines 23-30 of the provisional application. Accordingly, for at least the reason that independent claim 30 is fully supported by the provisional application, the rejection of claim 30 and its dependent claims 31-35 should be withdrawn.

C. Independent Claims 23, 30, and 43

Independent claims 23 and 30 and amended independent claim 43 are directed to interactive television program guide systems in which an interactive program guide is at least

partially implemented on user equipment. Even if Young and Shah-Nazaroff could be combined, claims 23, 30, and 43 would not be anticipated by nor rendered obvious by such a combination because applicants' systems permit a user to select a theme, indicate a level of interest (e.g., a high level of interest such as a favorite or a low level of interest) in that theme, and the system performs an action (e.g., display a modified list of programming themes or stores the user's indicated interest in the selected theme in a preference profile) based on the user's interest in the selected themes. The novelty and non-obviousness of applicants' claims 23, 30, and 43 is apparent for several reasons.

First, in Young, as discussed above in Section III.A, a theme function is provided to allow the user to quickly sort a schedule (e.g., a program listings schedule) and display a subset schedule based on a subject of interest. However, this theme function is for further refining a schedule of listings, such as program listings, based on user selected criteria, not for modifying or storing a list of themes. Thus, the combination of Young and Shah-Nazaroff does not show "means for providing an option with the interactive television program guide for the user to select a favorite programming theme from a list of programming themes," as specified in independent claim 23. Nor does the combination of Young and Shah-Nazaroff show "means for providing

an option with the interactive television program guide for the user to select a programming theme for which the user has a low level of interest from a list of programming themes," as specified in independent claim 30. Moreover, the combination of Young and Shah-Nazaroff does not show "means for providing an option with the interactive television program guide for the user to select a programming theme from the list of programming themes and a level of interest in that selected programming theme," as specified in independent claim 43.

According, for at least the reason that the combination of Young and Shah-Nazaroff does not show or suggest each of applicants' claimed features in independent claims 23, 30, and 43, applicants respectfully request the rejection of these claims be withdrawn. In addition, applicants respectfully submit that the rejection of dependent claims 24-29, 31-35, and 44-66 because they depend from independent claims 23, 30, and 43.

Second, in Shah-Nazaroff, a rating for a broadcast (e.g., television show) is generated at least in part on collected viewer feedback information. (Column 2, lines 1-5 and FIG. 2) The rating of a particular broadcast may be provided to the user based on viewer characteristic information. (Column 5, lines 8-11) For example, FIG. 7 shows the rating of a show that was retrieved based on viewer characteristics. As shown, the search

results for a show entitled "The Great Adventures of Mighty Sloth" and the rating information for this show is displayed based on user selected several movie genres and entered age. A difference between applicants' claims 23, 30, and 43 and Shah-Nazaroff is in the list being displayed or modified. Applicants' claims 23, 30, and 43 specify selecting a theme and some level of interest in that theme so that the list of themes themselves are modified, displayed, or stored in a user profile according to the user's interest in those themes, not selecting a theme to see which broadcasts are ranked the highest in the selected theme (column 5, lines 41-47).

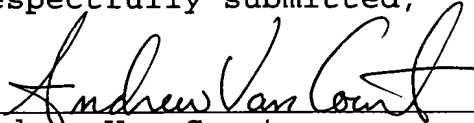
Moreover, program listings, broadcasts, or a ranking of such program listings or broadcast are not the same as themes, as contended by the Examiner (page 6, lines 4-6). As specified in applicants' specification, themes include categories or genres such as, for example, sports, movies, comedy, drama, children, etc. (Applicants' specification, page 9, lines 14-30 and page 13, line 32 through page 14, line 3). The Examiner contends that a program listing such as SportsCenter is a sports theme. This is not so. SportsCenter is merely an example of a program listing that may be displayed if, for example, a user selected a sports theme in a television program guide.

Accordingly, for at least the reason that Shah-Nazaroff fails to show or suggest (a) "displaying the list of programming themes in which the favorite programming theme is reordered at the top of the list," as specified in independent claim 23, (b) "providing an option for displaying the list of programming themes having the selected programming theme at the bottom of the list of programming themes," as specified in independent claim 30, and (c) "providing an option for creating a preference profile with which the selected programming theme and level of interest are associated, as specified in independent claim 43, applicants respectfully request that the rejection of independent claims 23, 30, and 47 be withdrawn. In addition, applicants respectfully submit that the rejection of dependent claims 24-29, 31-35, and 44-66 because they depend from independent claims 23, 30, and 43.

VI. Conclusion

The foregoing demonstrates that claims 1-113 are allowable. Applicants respectfully submit that this patent application is in condition for allowance. Reconsideration and allowance are respectfully requested.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Andrew Van Court", is written over a horizontal line.

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Appendix A



UV/81
7/16

112

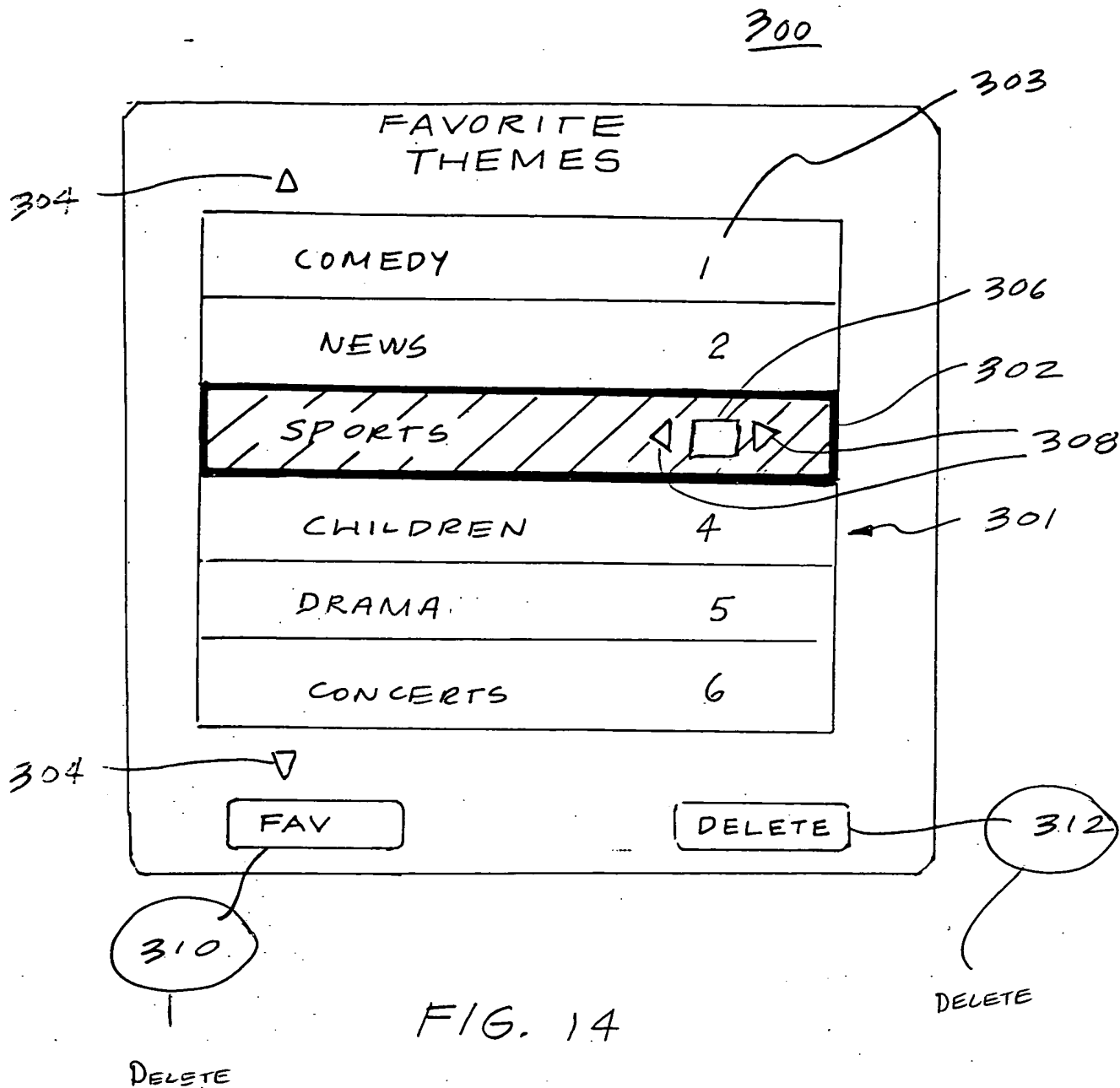
110

CH	7:00	7:30	8:00	8:30
6				NBA BASKETBALL
9	COLLEGE FOOTBALL			
28	FIGURE SKATING			
30	COLLEGE FOOTBALL			
38			TRACK & FIELD	

114

Change
to
115

FIG. 8(a)





Appendix B



UV-81 Prox.

Electronic Program Guide with Favorite Themes

Many electronic program guides support multiple theme selections. It is desirable to have as many themes as possible, making it more likely that a viewer's interests will be matched. However, the list of themes can be quite long, making it quite unwieldy for a user to find the desired programs.

Some program guides solve this problem by having hierarchical categories. First a viewer selects a high level category, then selects one or more subcategories. Although this allows navigation through a large number of categories, it can be quite cumbersome. It may not be obvious to the viewer which category will lead to a desired subcategory. It is not obvious what subcategories may be present. Some subcategories may be applicable to multiple categories. More keystrokes may be required. And the viewer may end up going through several levels of menus and discover that there are no programs available in the selected category.

This invention solves these problems by allowing the viewer to have favorite themes.

In one embodiment, when the viewer enters the theme selection screen, any individual theme may be selected, for example with the OK or SELECT key on the remote control. When this happens, the guide will display a list of programs with the desired theme. The FAVORITE key is also active on the theme selection screen. Pressing the FAVORITE key while any theme is highlighted will move that theme to the top of the list. It will remain in that position every time this screen is displayed, until another theme is made favorite, in which case the previous favorite and all other themes will move down one position. Preferably, the sort order should be stored in non-volatile memory, so that the order will be remembered after power is cycled.

In another embodiment, there is a DELETE key on the remote control. Pressing the DELETE key while any theme is highlighted will either move it to the bottom of the list, or will remove it from the list altogether.

In a third embodiment, there is a separate screen for selecting favorite themes. The FAVORITE and/or the DELETE key will change the sort order of the themes. Alternatively, an on-screen button could be used to select the sort order, after the viewer highlights a theme and presses SELECT or OK. The order selected on this screen would be reflected on the theme selection screen.

In a fourth embodiment, there is one screen on which the favorite themes may be selected. The viewer may select a theme as a favorite, for example by pressing a FAVORITE key on the remote control. The guide will indicate favorite themes, for example by showing them in a different color. A separate screen will list all programming that fits in any of the selected favorite themes.

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U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
UV-81APPLN. NO.
09/262,658SUPPLEMENTAL INFORMATION DISCLOSURE
STATEMENT BY APPLICANTSAPPLICANTS
Joshua Rosenthal et al.CONFIRMATION. NO.
9736FILING DATE
March 4, 1999GROUP ART
2611

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIA TE
	4,081,753	03/28/78	Miller	325	396	
	4,170,782	10/09/79	Miller	358	84	
	4,271,532	06/02/81	Wine	455	186	
	4,367,559	01/04/83	Tults	455	186	
	4,375,651	03/01/83	Templin et al.	358	191.1	
	4,381,522	04/26/83	Lambert	358	86	
	4,390,901	06/28/83	Keiser	358	147	
	4,425,579	01/10/84	Merrell	358	86	
	4,429,385	01/31/84	Cichelli et al.	370	92	
	4,495,654	01/22/85	Deiss	455	151	
	4,527,194	07/02/85	Sirazi	358	86	
	4,641,205	02/03/87	Beyers, Jr.	360	33.1	
	4,689,022	08/25/87	Peers et al.	434	307	
	4,754,326	06/28/88	Kram et al.	364	900	
	4,908,713	03/13/90	Levine	358	335	
	4,963,994	10/16/90	Levine	358	335	
	5,038,211	08/06/91	Hallenbeck	358	142	
	5,047,867	09/10/91	Strubbe et al.	358	335	
	5,075,771	12/24/91	Hashimoto	358	84	
	5,210,611	05/11/93	Yee et al.	358	191.1	
	5,317,403	05/31/94	Keenan	348	731	
	5,323,240	06/21/94	Amano et al.	348	731	
	5,410,344	04/25/95	Graves et al.	348	1	
	5,432,561	07/11/95	Strubbe	348	565	
	5,444,499	08/22/95	Saitoh	348	734	
	5,465,113	11/07/95	Gilboy	725	25	
	5,465,385	11/07/95	Ohga et al.	455	6.1	
	5,477,262	12/19/95	Banker et al.	348	7	
	5,481,296	01/02/96	Cragun et al.	348	13	
	5,483,278	01/09/96	Strubbe et al.	725	61	
	5,534,911	07/09/96	Levitan	348	1	

EXAMINER

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5,585,866	12/17/96	Miller et al.	348	731	
5,600,364	02/04/97	Hendricks et al.	348	1	
5,617,565	04/01/97	Augenbraum, et al.	395	604	
5,621,456	04/15/97	Florin et al.	348	7	
5,752,160	05/12/98	Dunn	455	5.1	
5,774,357	06/30/98	Hoffberg et al.	364	188	
5,798,785	08/25/98	Hendricks et al.	348	1	
5,801,747	09/01/98	Bedard	348	1	
5,822,123	10/13/98	Davis et al.	348	564	
5,848,396	12/08/98	Gerace	705	10	
5,867,226	02/02/99	Wehmeyer	725	46	
5,875,108	02/23/99	Hoffberg et al.	364	146	
5,880,768	03/09/99	Lemmons et al.	348	1	
5,903,545	05/11/99	Sabourin, et al.	370	225	
5,973,683	10/26/99	Cragun et al.	345	327	
5,977,964	11/02/99	Williams et al.	345	327	
6,005,597	12/21/99	Barrett et al.	725	9	
6,029,195	02/22/00	Herz	709	219	
6,075,526	06/13/00	Rothmuller	345	327	
6,081,750	06/27/00	Hoffberg et al.	700	17	
6,088,722	06/11/00	Herz et al.	709	217	
6,133,909	10/17/00	Schein et al.	345	327	
6,163,316	12/19/00	Killian	345	327	
6,172,674	01/09/01	Etheredge	345	327	
6,177,931	01/23/01	Alexander et al.	345	327	
6,181,335	01/30/01	Hendricks et al.	345	328	
6,216,264	04/10/01	Maze et al.	725	53	
6,437,836	08/20/02	Huang et al.	348	734	
6,505,348	01/07/03	Knowles et al.	725	49	

FOREIGN PATENT DOCUMENTS

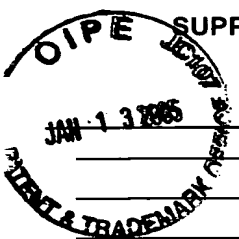
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

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1 554 411	10/17/79	GB	H04B	3/54		
EP 0 721 253 A2	07/10/96	EPO	H03J	1/04		
EP 0 774 866 A2	05/21/97	EPO	H04N	5/44		
EP 0 854 645 A2	07/22/98	EPO	H04N	5/445		
WO 86/01359	02/27/86	PCT	H04N	5/445		
WO 89/03085	04/06/89	PCT	G06F	7/04		
WO 94/13107	06/09/94	PCT	H04N	7/16		
WO 94/14284	06/23/94	PCT	H04N	7/16		
WO 95/28799	10/26/95	PCT	H04N	1/00		
WO 96/17473	06/06/96	PCT	H04N	5/445		
WO 96/41478	12/19/96	PCT	H04N	7/173		
WO 97/48230	12/18/97	PCT	H04N	7/00		
WO 98/26584	06/18/98	PCT	H04N	5/445		
WO 98/43183	10/01/98	PCT	G06F	17/30		
WO 98/48566	10/29/98	PCT	H04N	5/445		
WO 99/01984	01/14/99	PCT	H04N	7/173		
WO 99/45701	09/10/99	PCT	H04N	5/445		
WO 00/04708	01/27/00	PCT	H04N	5/445		
WO 00/05889	02/03/00	PCT	H04N	7/16		
WO 00/28734	05/18/00	PCT	H04N	5/445		
WO 99/14947	02/28/02	PCT	H04N	5/445		
WO 99/45701	09/10/99	PCT	H04N	5/445		
WO 99/45702	09/10/99	PCT	H04N	5/445		
WO 00/04708	01/27/00	PCT	H04N	5/445		
WO 00/13415	03/09/00	PCT	H04N	7/173		
WO 00/33573	06/08/00	PCT	H04N	5/445		

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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All references have been considered.

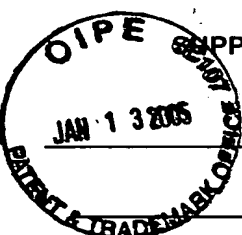
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Joshua Rosenthal et al.CONFIRMATION. NO.
9736FILING DATE
March 4, 1999GROUP ART
2611

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIA TE
	4,081,753	03/28/78	Miller	325	396	
	4,170,782	10/09/79	Miller	358	84	
	4,271,532	06/02/81	Wine	455	186	
	4,367,559	01/04/83	Tults	455	186	
	4,375,651	03/01/83	Templin et al.	358	191.1	
	4,381,522	04/26/83	Lambert	358	86	
	4,390,901	06/28/83	Keiser	358	147	
	4,425,579	01/10/84	Merrell	358	86	
	4,429,385	01/31/84	Cichelli et al.	370	92	
	4,495,654	01/22/85	Deiss	455	151	
	4,527,194	07/02/85	Sirazi	358	86	
	4,641,205	02/03/87	Beyers, Jr.	360	33.1	
	4,689,022	08/25/87	Peers et al.	434	307	
	4,754,326	06/28/88	Kram et al.	364	900	
	4,908,713	03/13/90	Levine	358	335	
	4,963,994	10/16/90	Levine	358	335	
	5,038,211	08/06/91	Hallenbeck	358	142	
	5,047,867	09/10/91	Strubbe et al.	358	335	
	5,075,771	12/24/91	Hashimoto	358	84	
	5,210,611	05/11/93	Yee et al.	358	191.1	
	5,317,403	05/31/94	Keenan	348	731	
	5,323,240	06/21/94	Amano et al.	348	731	
	5,410,344	04/25/95	Graves et al.	348	1	
	5,432,561	07/11/95	Strubbe	348	565	
	5,444,499	08/22/95	Saitoh	348	734	
	5,465,113	11/07/95	Gilboy	725	25	
	5,465,385	11/07/95	Ohga et al.	455	6.1	
	5,477,262	12/19/95	Banker et al.	348	7	
	5,481,296	01/02/96	Cragun et al.	348	13	
	5,483,278	01/09/96	Strubbe et al.	725	61	
	5,534,911	07/09/96	Levitan	348	1	

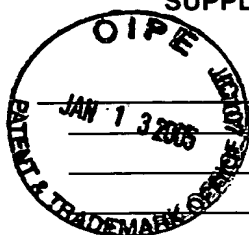
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5,585,866	12/17/96	Miller et al.	348	731	
5,600,364	02/04/97	Hendricks et al.	348	1	
5,617,565	04/01/97	Augenbraum, et al.	395	604	
5,621,456	04/15/97	Florin et al.	348	7	
5,752,160	05/12/98	Dunn	455	5.1	
5,774,357	06/30/98	Hoffberg et al.	364	188	
5,798,785	08/25/98	Hendricks et al.	348	1	
5,801,747	09/01/98	Bedard	348	1	
5,822,123	10/13/98	Davis et al.	348	564	
5,848,396	12/08/98	Gerace	705	10	
5,867,226	02/02/99	Wehmeyer	725	46	
5,875,108	02/23/99	Hoffberg et al.	364	146	
5,880,768	03/09/99	Lemmons et al.	348	1	
5,903,545	05/11/99	Sabourin, et al.	370	225	
5,973,683	10/26/99	Cragun et al.	345	327	
5,977,964	11/02/99	Williams et al.	345	327	
6,005,597	12/21/99	Barrett et al.	725	9	
6,029,195	02/22/00	Herz	709	219	
6,075,526	06/13/00	Rothmuller	345	327	
6,081,750	06/27/00	Hoffberg et al.	700	17	
6,088,722	06/11/00	Herz et al.	709	217	
6,133,909	10/17/00	Schein et al.	345	327	
6,163,316	12/19/00	Killian	345	327	
6,172,674	01/09/01	Etheredge	345	327	
6,177,931	01/23/01	Alexander et al.	345	327	
6,181,335	01/30/01	Hendricks et al.	345	328	
6,216,264	04/10/01	Maze et al.	725	53	
6,437,836	08/20/02	Huang et al.	348	734	
6,505,348	01/07/03	Knowles et al.	725	49	

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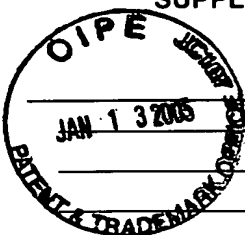
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

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EP 0 774 866 A2	05/21/97	EPO	H04N	5/44		
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WO 95/28799	10/26/95	PCT	H04N	1/00		
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WO 97/48230	12/18/97	PCT	H04N	7/00		
WO 98/26584	06/18/98	PCT	H04N	5/445		
WO 98/43183	10/01/98	PCT	G06F	17/30		
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WO 99/01984	01/14/99	PCT	H04N	7/173		
WO 99/45701	09/10/99	PCT	H04N	5/445		
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WO 00/05889	02/03/00	PCT	H04N	7/16		
WO 00/28734	05/18/00	PCT	H04N	5/445		
WO 99/14947	02/28/02	PCT	H04N	5/445		
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WO 99/45702	09/10/99	PCT	H04N	5/445		
WO 00/04708	01/27/00	PCT	H04N	5/445		
WO 00/13415	03/09/00	PCT	H04N	7/173		
WO 00/33573	06/08/00	PCT	H04N	5/445		

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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All references have been considered. _____

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